

FCC ID: 2ARKW-DGSPE200RD

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f(GHZ) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

BT:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-1.42	0.72	-1.5±1	-0.5	0.89	<5	0.27626	3.00	YES
	2.441	-1.37	0.73	-1.5±1	-0.5	0.89	<5	0.27849	3.00	YES
	2.480	-2.47	0.57	-1.5±1	-0.5	0.89	<5	0.28071	3.00	YES
π/4-DQPSK	2.402	-0.72	0.85	-1.6±1	-0.6	0.87	<5	0.26997	3.00	YES
	2.441	-0.68	0.86	-1.6±1	-0.6	0.87	<5	0.27215	3.00	YES
	2.480	-1.78	0.66	-1.6±1	-0.6	0.87	<5	0.27432	3.00	YES

Conclusion:

For the max result : 0.28071W/Kg ≤ 3.0 for 1g SAR, compliance the RF Exposure.

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Signature:

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